



RAW SEQUENCE LISTING

DATE: 08/15/2002

PATENT APPLICATION: US/09/595,947C

TIME: 14:27:17

Input Set : A:\Pto.raw

Output Set: N:\CRF4\08152002\I595947C.raw

	-	<110×	ADDITONIE TONDO LIBERALIA	NG Charles			ENT	
	2	<110>	APPLICANT: ICARD-LIEPKALN	NS, Chris	tine			
	3		MALLET, Jacques					
		<120×	RAVASSARD, Philippe TITLE OF INVENTION: POLYM	DEDUTDES /	OF BUT #DXC	TC-UETTY-TC	OD-UETTV# 1	SUT II
	5	\120 >	FAMILY,	LELIIDES (Or ine bas	TC-UEDIY-PC	OD-UPPIX I	חחת
	6		CORRESPONDING NUCLEIC AC	TD SECUENC	CES			
	_	<130>	FILE REFERENCE: ST96042AU		CLO			
C>			CURRENT APPLICATION NUMBER		/595 947C			
			CURRENT FILING DATE: 2000		7333,3470			
			PRIOR APPLICATION NUMBER:		651			
			PRIOR FILING DATE: 1996-1					
			PRIOR APPLICATION NUMBER:					
			PRIOR FILING DATE: 1997-1					
			PRIOR APPLICATION NUMBER:		1,356			
			PRIOR FILING DATE: 1997-1	•	_,			
	16	<160>	NUMBER OF SEQ ID NOS: 28					
			SOFTWARE: PatentIn version					
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	25		gcagcccggc aggcacgctc ctg	ggtccggg (cagagcagat	aaagcgtgcc	aggggacaca	120
	26		cgattagcag ctcagaagtc cct	tctgggtc 1	tcaccactgc	acagaggccg	aggaccccct	180
	27		ccgagcttct ttgctgcctc cag					240
	28		caaaacttcg aagcgagcag agg					300
	29		gcagetetet gttettttga ged					360
	30		tagaagagg gagtgggtgg gcg	-				420
	31		actgtcacac cccccttcca ttt					480
	32		cgccaccat ccaagtgtcc caa		-			540
	33		aagtgctcag ttccaattcc acc		_			600
	34		aagcagaagc aggtgactgc cga					660
	35		gcaacaggcc caagagcgag tto					720 780
	36		ccaacgaccg ggagcgcaac cgc	_				780 840
	37 38		gtgtcctgcc caccttcccg gat					900
	39		cccacaacta catttgggca ctg	-			-	960
	40		gccccgagcc ccctgtgccc tgt actggggctc tatctactcc cca					1020
	41		tggaggagtt ccctggcctg cag	_			_	1020
	41		tggtgttctc agacttcttg tga					1140
	4.2		aaagggaggg agtcagagct gtc					1200
	44		cccttctggc tttcattagt cag					1260
	77		coordings criticalitage cas	agreecity (accuaccay	gaccogcaca	gettettiget	1200

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45		gctgtgcgtg cacaaaggac attgcaggct gatctcctct taaccctcct cagtgtggcc	1320
46		acctcaaact cccgctccaa gcagaggaga gccgtagcac taaatagttg ggagactccc	1380
47		atacttectg gtgactecge cetettteaa atetgeggge etecaaceae egetttetee	1440
48		agagtgacct aatccagtgt	1460
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		TYPE: PRT	
		ORGANISM: Artificial Sequence	
		FEATURE:	
		OTHER INFORMATION: peptide fragment of bHLH protein	
		SEQUENCE: 2	
57		Ala Ala Thr Lys His Gly Met Gly Ile Gly Ala Gly Cys Gly Cys Ile	
58		1 5 10 15	
59		Asp Lys Cys Gly Cys Arg Tyr Gly	
60		20	
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		LENGTH: 24	
		TYPE: PRT	
		ORGANISM: Artificial Sequence	
		FEATURE:	
		OTHER INFORMATION: peptide fragment of bHLH protein	
		SEQUENCE: 3	
69	\ 4 00>	Gly Gly Cys Ser Arg Asp Thr Tyr Thr Cys Ala Gly Gly Gly Thr Ser	
70		1 5 10 15	
71		Tyr Asx Gly Ala Tyr Cys Thr Thr	
72		20	
	<210×	SEQ ID NO: 4	
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		TYPE: DNA	
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		FEATURE:	
		OTHER INFORMATION: primer	
		SEQUENCE: 4	
		aaccttaact ccgcgctgga tgcgc	25
		SEQ ID NO: 5	23
		LENGTH: 18	
		TYPE: DNA	
		ORGANISM: Artificial Sequence	
		FEATURE:	
		OTHER INFORMATION: primer	
		SEQUENCE: 5	
90	\400 >		18
	/21 AN	cgcggtgtcc tgcccacc SEQ ID NO: 6	10
		LENGTH: 6	
		TYPE: DNA	
		ORGANISM: Artificial Sequence FEATURE:	
		OTHER INFORMATION: DNA sequence of E box	
		SEQUENCE: 6	
90	\ 4 00/	SEQUENCE. 0	



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99	caggtg	6
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104 <213>	ORGANISM: Artificial Sequence	
	FEATURE:	
106 <223>	OTHER INFORMATION: DNA sequence of mutated E box	
107 <400>	SEQUENCE: 7	
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	SEQ ID NO: 8	
	LENGTH: 214	
	TYPE: PRT	
	ORGANISM: Rattus norvegicus	
	SEQUENCE: 8	
115	Met Ala Pro His Pro Leu Asp Ala Pro Thr Ile Gln Val Ser Gln Glu	
116	1 5 10 15 The Gland Part River	
117	Thr Gln Gln Pro Phe Pro Gly Ala Ser Asp His Glu Val Leu Ser Ser	
118	20 25 30	
119	Asn Ser Thr Pro Pro Ser Pro Thr Leu Val Pro Arg Asp Cys Ser Glu	
120	35 40 45	
121 122	Ala Glu Ala Gly Asp Cys Arg Gly Thr Ser Arg Lys Leu Arg Ala Arg 50 55 60	
123		
124	Arg Gly Gly Arg Asn Arg Pro Lys Ser Glu Leu Ala Leu Ser Lys Gln 65 70 75 80	
125	Arg Arg Ser Arg Arg Lys Lys Ala Asn Asp Arg Glu Arg Asn Arg Met	
126	85 90 95	
127	His Asn Leu Asn Ser Ala Leu Asp Ala Leu Arg Gly Val Leu Pro Thr	
128	100 105 110	
129	Phe Pro Asp Asp Ala Lys Leu Thr Lys Ile Glu Thr Leu Arg Phe Ala	
130	115 120 125	
131	His Asn Tyr Ile Trp Ala Leu Thr Gln Thr Leu Arg Ile Ala Asp His	
132	130 135 140	
133	Ser Phe Tyr Gly Pro Glu Pro Pro Val Pro Cys Gly Glu Leu Gly Ser	
134	145 150 155 160	
135	Pro Gly Gly Gly Ser Ser Gly Asp Trp Gly Ser Ile Tyr Ser Pro Val	
136	165 170 175	
137	Ser Gln Ala Gly Ser Leu Ser Pro Thr Ala Ser Leu Glu Glu Phe Pro	
138	180 185 190	
139	Gly Leu Gln Val Pro Ser Ser Pro Ser Cys Leu Leu Pro Gly Thr Leu	
140	195 200 205	
141	Val Phe Ser Asp Phe Leu	
142	210	
	SEQ ID NO: 9	
	LENGTH: 1330	
	TYPE: DNA	
	ORGANISM: Homo sapiens	
	SEQUENCE: 9	60
149 150	cctcggaccc cattctctct tcttttctcc tttggggctg gggcaactcc caggcggggg cgcctgcagc tcagctgaac ttggcgacca gaagcccgct gagctcccca cggccctcgc	60 120
T 20	cycliglayo ilayutyaab iliyyoyadda gaagddogdt gagdidddda dygdddidgd	120

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151	tgctcat	cgc 1	tctc	tatt	ct t	ttgc	gccg	g tag	gaaa	ggta	ata [·]	tttg	gag	gccti	tcgagg	180
152	gacgggc	agg g	ggaaa	agag	gg a	tcct	ctgad	c cca	agcg	gggg	ctg	ggag	gat	ggct	gttttt	240
153	gttttt	ccc a	accta	agcci	tc g	gaat	egeg	g ac	tgcg	ccgt	gac	ggac	tca	aacti	taccct	300
154	tccctct	gac (cccg	ccgta	ag ga	atgad	egect	t caa	accci	tcgg	gtg	cgcc	cac	tgtc	caagtg	360
155	acccgtg	aga (cgga	geggt	tc c	ttcc	ccaga	a gc	ctcg	gaag	acq	aagt	gac	ctgc	ccacq	420
156	tccgccc	_					_	_		_	_	_	-	_	_	480
157	tgccgag					_					_					540
158	gagttgg															600
159	aatcgaa															660
160	ccagacg															720
161	gcgctga	_	-			-			-	_	_					780
162					_	_			-	_	_	_				840
	ccgcact															
163	tccccag					-			-	_	_					900
164	ctgctgg															960
165	ctgtgaa															1020
166	gccggga															1080
167	ttctccc	_	_					-							-	1140
168	tccccgg		_	-	-		_	_		_	_	_	_			1200
169	gcattgc	aaa 🤉	gtgc	gctca	at t	ttag	gcct	cct	ctct	gcca	cca	cccc	ata .	atcc	cattca	1260
170	aagaata	cta 🤅	gaat	ggtag	gc a	ctac	ccgg	c cg	gagc	cgcc	cac	cgtc	ttg	ggtc	gcccta	1320
171	ccctcac	tca														1330
173 <210>	SEQ ID	NO:	10													
174 <211>	LENGTH:	214														
175 <212>	TYPE: P	RT														
176 <213>	ORGANIS	м: но	omo s	sapie	ens											
177 <400>				-												
178	Met Thr			Pro	Ser	Glv	Ala	Pro	Thr	Val	Gln	Val	Thr	Arq	Glu	
179	1			5					10					15		
180	Thr Glu	Ara	Ser	Phe	Pro	Ara	Ala	Ser	Glu	Asp	Glu	Val	Thr	Cvs	Pro	
181		5	20			5		25		<u>-</u> -			30	-1-		
182	Thr Ser	Ala		Pro	Ser	Pro	Thr		Thr	Pro	Glv	Asn		Ala	Glu	
183	12 001	35		110	001		40	5			011	45	0,10		014	
184	Ala Glu		Glv	Glv	Cvc	Δra		Δla	Pro	Δra	Taye		Δra	Δla	Δra	
185	50	Olu	017		0,10	55	011	1114	110	**** 9	60	шеч	*** 9	1114	1119	
186	Arg Gly	C137	A ra	cor	7 ~~		Tvc	Cor	C111	Tou		LOU	Cor	Two	Cln	
187	65	GIY	Arg	261	70	FIO	цуз	261	GIU	75	АТА	пеп	261	цуз	80	
		C	7	3		T	31-	7	3	-	c1	3	3	7		
188	Arg Arg	ser	Arg	_	гуѕ	гаг	Ala	ASI	_	Arg	GIU	Arg	ASI	_	мес	
189		_	_	85		_	_		90	_			_	95		
190	His Asp	1.611	Asn	Ser	Ala	[011	Λαη	Λ I ⊃	LAH	Δνα	(2 37	V a I				
191	_					Leu				AL 9	GLY				TIII	
192			100				_	105			_		110			
	Phe Pro	Asp	100				Thr	105			_	Leu	110			
193			100				_	105			_		110			
		As p	100 Asp	Ala	Lys	Leu	Thr 120	105 Lys	Ile	Glu	Thr	Leu 125	110 Arg	Phe	Ala	
193 194 195	Phe Pro	As p	100 Asp	Ala	Lys	Leu	Thr 120	105 Lys	Ile	Glu	Thr	Leu 125	110 Arg	Phe	Ala	
193 194	Phe Pro	Asp 115 Tyr	100 Asp Ile	Ala Trp	Lys Ala	Leu Leu 135	Thr 120 Thr	105 Lys Gln	Ile Thr	Glu Leu	Thr Arg 140	Leu 125 Ile	110 Arg Ala	Phe Asp	Ala His	
193 194 195	Phe Pro	Asp 115 Tyr	100 Asp Ile	Ala Trp	Lys Ala	Leu Leu 135	Thr 120 Thr	105 Lys Gln	Ile Thr	Glu Leu	Thr Arg 140	Leu 125 Ile	110 Arg Ala	Phe Asp	Ala His	
193 194 195 196	Phe Pro His Asn 130 Ser Leu	Asp 115 Tyr Tyr	100 Asp Ile Ala	Ala Trp Leu	Lys Ala Glu 150	Leu Leu 135 Pro	Thr 120 Thr Pro	105 Lys Gln Ala	Ile Thr Pro	Glu Leu His 155	Thr Arg 140 Cys	Leu 125 Ile Gly	110 Arg Ala Glu	Phe Asp Leu	Ala His Gly 160	
193 194 195 196 197	Phe Pro His Asn 130 Ser Leu 145	Asp 115 Tyr Tyr	100 Asp Ile Ala	Ala Trp Leu	Lys Ala Glu 150	Leu Leu 135 Pro	Thr 120 Thr Pro	105 Lys Gln Ala	Ile Thr Pro	Glu Leu His 155	Thr Arg 140 Cys	Leu 125 Ile Gly	110 Arg Ala Glu	Phe Asp Leu	Ala His Gly 160	
193 194 195 196 197 198	Phe Pro His Asn 130 Ser Leu 145	Asp 115 Tyr Tyr	100 Asp Ile Ala Gly	Ala Trp Leu Pro 165	Lys Ala Glu 150 Pro	Leu Leu 135 Pro	Thr 120 Thr Pro	105 Lys Gln Ala Trp	Ile Thr Pro Gly 170	Glu Leu His 155 Ser	Thr Arg 140 Cys Leu	Leu 125 Ile Gly Tyr	110 Arg Ala Glu Ser	Phe Asp Leu Pro 175	Ala His Gly 160 Val	

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	201		180 185 190	
	202		Gly Leu Leu Gly Ala Thr Ser Ser Ala Cys Leu Ser Pro Gly Ser Leu	
	203		195 200 205	
	204		Ala Phe Ser Asp Phe Leu	
	205		210	
	207	<210>	SEQ ID NO: 11	
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	210	<213>	ORGANISM: Artificial Sequence	
			FEATURE:	
	212	<223>	OTHER INFORMATION: primer	
			SEQUENCE: 11	
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	217	<211>	LENGTH: 24	
	218	<212>	TYPE: DNA	
	219	<213>	ORGANISM: Artificial Sequence	
			FEATURE:	
	221	<223>	OTHER INFORMATION: primer	
			SEQUENCE: 12	
	223		gcccagatgt agttgtgggc gaag	24
	225	<210>	SEQ ID NO: 13	
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	227	<212>	TYPE: DNA	
	228	<213>	ORGANISM: Artificial Sequence	
	229	<220>	FEATURE:	
	230	<223>	OTHER INFORMATION: primer	
	231	<220>	FEATURE:	
	232	<221>	NAME/KEY: misc_feature	
	233	<223>	OTHER INFORMATION: n=a or t or g or c	
	234	<400>	SEQUENCE: 13	
- >	235		atcgttgaga ctcgtaccag cagagtcacg agagagacta cacggtactg gnnnnnnnn	60
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	238	<211>	LENGTH: 20	
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	240	<213>	ORGANISM: Artificial Sequence	
	241	<220>	FEATURE:	
	242	<223>	OTHER INFORMATION: primer	
	243	<400>	SEQUENCE: 14	
	244		agacgacgcg aagctcacca	20
	246	<210>	SEQ ID NO: 15	
			LENGTH: 24	
			TYPE: DNA	
			ORGANISM: Artificial Sequence	
			FEATURE:	
			OTHER INFORMATION: primer	
		<400>	SEQUENCE: 15	
	253		gctcaccaag atcgagacgc tgcg	24
	255	<210>	SEQ ID NO: 16	

W--

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/595,947C

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the $\langle 220 \rangle$ to $\langle 223 \rangle$ fields of each sequence which presents at least one n or Xaa.

Seg#:13; N Pos. 52,53,54,55,56,57,58,59,60